

# siegling transilon

## belt conveyor dan pengolahan

## Sifat ketahanan kimia

### Berbagai bahan lapisan Siegling Transilon

Data ini berdasarkan tes laboratorium dan pengalaman praktis serta berlaku untuk kondisi ambient standar 20/65 (= 20 °C/68 °F dan 65 % kelembaban relatif).

Penyimpangan substansial dari kondisi ruangan standar dapat menyebabkan perubahan pada setiap lapisan dalam ketahanannya terhadap bahan kimia, misalnya jika terjadi kontak dengan kelembaban dan panas. Silahkan tanyakan pada kami.

Kami sarankan Anda untuk menguji ketahanan kimia pada kondisi operasi menggunakan media yang sebenarnya yang langsung kontak dengan belt. Kami dengan senang hati akan memberikan sampel yang sesuai dengan permintaan.

Data Ketahanan jenis Novo dan lapisan poliamida serta jenis tanpa lapisan berdasarkan permintaan.

Untuk memudahkan penggunaan, nama yang konvensional dan berlaku umum serta penjelasan, telah digunakan dengan dibagi menjadi empat sektor, yaitu

- Bahan kimia
- Produk kimia
- Obat-obatan, kosmetik
- Produk makanan

### Daftar isi

#### Grafik ketahanan kimia dari pelapis Siegling Transilon

<b>Bahan kimia</b>	<b>2</b>
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<b>Farmasi, kosmetik</b>	<b>8</b>
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Bahan pelapis	Simbol	Pelapis Siegling Transilon
	V	= PVC
	V-FDA	= PVC untuk bahan makanan
	VH	= PVC kasar
	U	= Urethane
	U0	= Urethane teresapi
	UH, U2H	= Urethane kasar
	A	= Polyolefin
	G	= Elastomer
	S	= Silicone
	E	= Polyester

Symbols	Simbol	Keterangan
	●	= Ketahanan yang baik
	○	= Resistensi terbatas; Ringan dan berubah dalam segi dimensi setelah jangka waktu tertentu, memungkinkan timbulnya kerapuhan
	–	= Tidak ada Resistensi

# Bahan kimia

V	V-FDA	VH	U0 UH	U	U2H	A	G <sup>1</sup>	G <sup>2</sup>	S	E	
○	○	○	—	—	—	○	—	●	●	●	Asam asetat (asam asetat glasial)
●	●	○	○	○	●	●	○	●	●	○	Asam asetat 10%
—	—	—	○	○	—	●	—	●	●	●	Anhidrida asetat
—	—	—	—	—	—	●	—	●	●	○	Aseton
●	●	●	●	●	●	●	●	●	●	●	Garam Aluminium
●	●	●	●	●	●	●	●	●	●	●	Alum
●	●	●	○	○	●	●	○	●	●	○	Amonia, cair
●	●	●	●	●	●	●	○	●	○	●	Amonia, gas
●	●	●	●	●	●	●	●	●	●	●	Amonium asetat
●	●	●	●	●	●	●	●	●	●	●	Amonium karbonat
●	●	●	●	●	●	●	●	●	●	●	Amonium klorida
●	●	●	●	●	●	●	●	●	●	●	Amonium nitrat
●	●	●	●	●	●	●	●	●	●	●	Amonium fosfat
●	●	●	●	●	●	●	●	●	●	●	Amonium sulfat
—	—	—	—	●	●	○	●	●	○	●	Amil alkohol
○	○	—	—	○	—	○	—	●	○	—	Aniline
●	●	●	●	●	●	●	●	●	●	●	Garam barium
—	—	—	—	—	—	○	—	●	—	—	Benzaldehida
○	●	—	●	●	●	○	○	—	○	●	Bensin (lihat juga bahan bakar bermotor)
●	●	●	●	●	●	●	●	●	●	●	Asam benzoat
—	—	—	—	○	○	○	—	—	—	○	Bensol
●	●	●	●	●	●	●	●	●	●	●	Asam borat
●	●	●	●	●	●	●	●	●	●	●	Asam Borat, larutan
—	—	—	—	—	—	—	—	—	—	—	Brom
○	○	—	—	—	○	○	—	○	●	—	Air brom
●	●	—	●	●	●	○	●	—	●	●	Butana, gas
●	●	—	●	●	●	○	●	—	●	●	Butana, cair
—	—	—	—	—	—	○	—	●	—	○	Butyl acetate
○	○	○	—	●	●	●	○	●	●	●	N-Butyl alkohol
●	●	●	●	●	●	●	●	●	●	●	Kalsium klorida
●	●	●	●	●	●	●	●	●	●	●	Kalsium nitrat
●	●	●	●	●	●	●	●	●	●	●	Kalsium sulfat
—	—	—	—	—	—	—	—	—	○	—	Karbon disulfida
—	—	—	○	○	○	—	—	—	—	—	Carbon tetrachloride
—	—	—	—	—	—	—	—	—	—	—	Klorin, cair
—	—	—	—	—	—	—	—	○	—	—	Klorin, gas, kering
—	—	—	—	—	—	—	—	○	—	—	Klorin, gas, basah
●	●	○	—	—	○	●	—	○	○	—	Air klorin
—	—	—	—	—	—	—	—	—	—	—	Chlorobenzene
—	—	—	—	—	—	—	—	—	—	—	Kloroform
—	—	—	—	—	—	—	—	—	—	—	Asam klorosulfonat
—	—	—	—	—	—	—	—	—	—	—	Asam kromat
●	●	●	●	●	●	●	○	●	●	●	Garam kromium
●	●	●	●	●	●	●	●	●	●	●	Kromium trioksida
●	●	●	—	—	—	●	●	●	●	●	Asam sitrat
●	●	●	●	●	○	●	●	●	●	●	Garam tembaga
○	○	○	○	○	○	○	—	—	○	—	Kresol
○	○	○	—	○	○	○	○	○	○	○	Kresol, berair
—	—	—	—	—	—	○	●	—	—	●	Sikloheksana
—	—	—	—	—	—	○	●	—	—	—	Cyclohexanol
—	—	—	—	—	—	○	—	—	—	—	Sikloheksanon
—	—	—	—	—	—	—	●	—	—	—	Decahydronaphthalene
—	—	—	○	○	—	○	—	●	●	—	Dibutil ftalat

<sup>1)</sup> NBR = Karet akrilonitril-butadiena  
<sup>2)</sup> EPDM = Etilena-propilena terpolymer



V	V-FDA	VH	U0 UH	U	U2H	A	G <sup>1</sup>	G <sup>2</sup>	S	E	
—	—	—	—	—	—	—	—	—	—	—	Diethyl ether
—	—	—	—	—	—	—	—	●	○	—	Dimetil formamida
—	—	—	—	—	—	—	—	—	○	—	1.4 Dioxan
—	—	—	—	—	—	—	—	—	—	—	Eter
—	—	—	—	—	—	●	—	●	—	○	Etil asetat
○	○	○	—	●	●	●	○	●	○	●	Etil alkohol, tak-terdenaturasi 100%
○	○	○	—	●	●	●	○	●	○	●	Etil alkohol, tak-terdenaturasi 96%
○	○	○	○	●	●	●	●	●	○	●	Etil alkohol, tak-terdenaturasi 50%
○	○	○	○	●	●	●	●	●	●	●	Etil alkohol, tak-terdenaturasi 10%
—	—	—	—	—	—	○	—	—	—	—	Etil benzena
—	—	—	—	—	—	—	—	—	—	—	Etil klorida
—	—	—	—	—	—	—	—	—	—	—	Ethylene chloride
○	○	○	○	●	●	○	●	●	●	●	2-Ethyl hexanol
○	○	—	●	●	●	○	●	●	●	○	Formaldehida
●	●	●	—	—	○	●	—	●	●	○	Asam format, encer
●	●	●	●	●	●	●	○	●	●	●	Gliserin
●	●	●	●	●	●	●	○	●	●	●	Glycerine, berair
○	●	○	●	●	●	●	○	●	●	●	Glycol
●	●	●	●	●	●	●	○	●	●	●	Glycol, berair
○	●	—	●	●	●	○	○	—	○	●	Heptana
○	●	—	●	●	●	○	○	—	○	●	Hexane
●	●	○	○	○	●	○	—	●	—	○	Asam klorida, pekat.
●	●	○	○	○	●	●	○	●	●	●	Asam klorida 10%
—	—	—	—	—	—	—	—	○	—	—	Asam fluorida 40%
●	●	○	○	○	●	●	—	●	○	○	Hidrogen klorida, gas, encer
○	○	—	—	○	○	○	—	●	○	—	Hidrogen klorida, gas, pekat.
●	●	○	○	○	●	●	—	○	●	○	Hidrogen peroksida 10%
○	○	○	○	○	○	●	—	●	○	○	Hidrogen sulfida
●	●	●	●	●	●	●	●	●	●	●	Garam besi (sulfat)
○	●	—	●	●	●	○	●	—	○	●	Isooctane
○	○	○	—	●	●	●	○	●	●	●	Isopropyl alkohol
○	●	—	○	●	●	●	●	●	●	●	Asam laktat
●	●	●	●	●	●	●	●	●	●	●	Garam magnesium
●	●	●	●	●	●	●	●	●	●	●	Mercury
●	●	●	●	●	●	●	●	●	●	●	Garam Mercury
○	●	●	—	○	●	●	●	○	●	●	Metil alkohol, air 50%
○	●	○	—	●	●	●	○	●	●	●	Metil alkohol (metanol)
—	—	—	—	—	—	○	—	○	●	○	Metil etil keton
—	—	—	—	—	—	—	—	—	—	—	Metilen klorida
—	—	—	○	○	—	○	○	—	—	○	Naftalena
●	●	●	●	●	●	●	●	●	●	●	Garam nikel
○	○	○	○	—	—	○	—	—	—	—	Asam nitrat
—	—	—	—	—	—	—	—	—	●	○	Nitrobenzene
○	●	—	●	●	●	○	●	—	—	●	Octane (lihat juga isooctane)
○	●	—	●	●	●	●	○	—	—	●	Asam oleat
●	●	●	●	●	●	●	○	●	●	●	Asam oksalat
○	○	○	●	●	○	○	○	●	○	●	Ozon

1) NBR = Karet akrilonitril-butadiena  
 2) EPDM = Etilena-propilena terpolymer

# Bahan kimia

V	V-FDA	VH	U0 UH	U	U2H	A	G <sup>1</sup>	G <sup>2</sup>	S	E	
—	—	—	—	—	—	—	—	—	—	—	Perchloroethylene
○	○	—	○	○	○	○	—	○	●	—	Fenol
○	○	—	○	—	○	○	○	○	●	—	Fenol, cair
●	●	●	—	—	●	●	—	○	●	○	Asam fosfat 85 %
●	●	●	●	●	●	●	—	●	●	●	Asam fosfat 50 %
●	●	●	●	●	●	●	○	●	●	●	Asam fosfat 10 %
●	●	●	●	●	●	●	—	○	●	●	Fosfor pentoksida
●	●	—	—	—	—	○	—	●	—	○	Senyawa kalium karbonat 50 %
●	●	—	—	—	—	●	○	●	—	●	Senyawa kalium karbonat 25 %
●	●	—	—	—	—	●	○	●	○	●	Senyawa kalium karbonat 10 %
●	●	●	●	●	●	●	●	●	●	●	Kalium karbonat (kalium)
●	●	●	●	●	●	●	—	●	●	●	Potasium klorat
●	●	●	●	●	●	●	●	●	●	●	Kalium klorida
●	●	●	●	●	●	●	○	●	●	●	Kalium dikromat
●	●	●	●	●	●	●	●	●	●	●	Kalium iodida
●	●	●	●	●	●	●	●	●	●	●	Kalium nitrat
●	●	●	●	●	●	●	—	●	●	●	Kalium permanganat
●	●	●	●	●	●	●	—	●	●	●	Kalium persulfat
●	●	●	●	●	●	●	●	●	●	●	Kalium sulfat
●	●	○	●	●	●	●	●	—	●	●	Propana, gas
●	●	○	●	●	●	●	●	—	●	●	Propana, cair
—	—	—	—	—	—	○	—	○	○	—	Pyridine
●	●	●	●	●	●	●	○	●	●	●	Garam perak
●	●	—	—	—	—	○	—	●	—	—	Larutan soda 50 % (lihat larutan kalium)
●	●	—	—	—	—	○	○	●	—	○	Larutan soda 25 %
●	●	—	○	—	—	●	○	●	○	●	Larutan soda 10 %
●	●	●	●	●	●	●	●	●	●	●	Sodium bisulfat
●	●	●	●	●	●	●	●	●	●	●	Natrium karbonat (natron)
●	●	●	●	●	●	●	●	●	●	●	Natrium karbonat (soda)
●	●	●	●	●	●	●	○	●	●	●	Natrium klorat
●	●	●	●	●	●	●	●	●	●	●	Natrium klorida (garam biasa)
●	●	●	—	—	—	○	○	●	—	●	Natrium hidroksida (soda kaustik)
●	●	●	●	●	●	●	—	○	●	○	Sodium hipoklorit
●	●	●	●	●	●	●	●	●	●	●	Natrium nitrat
●	●	●	●	●	●	●	●	●	●	●	Sodium nitrit
●	●	●	●	●	●	●	○	●	●	●	Sodium perborate
●	●	●	●	●	●	●	●	●	●	●	Natrium fosfat
●	●	●	●	●	●	●	●	●	●	●	Natrium sulfat (garam Glauber)
●	●	●	●	●	●	●	●	●	●	●	Natrium sulfida
●	●	●	●	●	●	●	●	●	●	●	Sodium sulfat
●	●	●	●	●	●	●	●	●	●	●	Sodium tiosulfat (garam)
●	●	●	●	●	●	●	●	●	●	●	Asam stearat
●	●	●	●	●	●	●	○	○	●	●	Asam suksinat
○	●	—	○	○	—	○	—	●	○	○	Sulphur
—	—	—	—	—	—	—	—	—	—	—	Sulfur dioksida
○	○	—	—	—	—	○	—	○	—	○	Asam Sulfat 96 %
○	○	○	○	—	○	○	—	●	○	●	Asam sulfat 50 %
○	○	○	○	—	○	●	○	●	●	●	Asam sulfat 25 %
○	○	○	○	—	○	●	○	●	●	●	Asam sulfat 10 %
●	●	●	●	●	●	●	●	●	●	●	Asam tartaric
—	—	—	—	—	—	—	—	—	—	—	Tetrachloroethane
—	—	—	—	—	—	—	—	—	—	—	Tetrachloroethylene (perkloroetilena)
—	—	—	—	—	—	—	—	—	—	—	Tetrahydrofuran
—	—	—	—	—	—	—	—	—	—	—	Tetrahydronaphthalene

<sup>1)</sup> NBR = Karet akrilonitril-butadiena

<sup>2)</sup> EPDM = Etilena-propilena terpolymer













# Produk makanan

V	V-FDA	VH	U0 UH	U	U2H	A	G <sup>1</sup>	G <sup>2</sup>	S	E	
●	●	●	●	●	●	●	●	●	●	●	Madu
●	●	●	●	●	●	●	●	●	●	●	Lobak, siap untuk dimakan
●	●	●	●	●	●	●	●	●	●	●	Selai
●	●	●	●	●	●	●	●	●	●	●	Jelly
●	●	○	●	●	●	●	●	●	●	●	Perasa lemon
●	●	●	●	●	●	●	●	●	●	●	Jus lemon
○	●	—	●	●	●	●	●	●	●	●	Kulit lemon
○	●	—	●	●	●	●	●	—	●	●	Minyak biji rami
●	●	○	●	●	●	●	●	●	●	●	Minuman
○	●	—	●	●	●	●	●	—	●	●	Margarin
○	●	—	●	●	●	●	●	—	●	●	Mayones
○	●	—	●	●	●	●	●	●	●	●	Daging
●	●	—	●	●	●	●	●	●	●	●	Susu
●	●	●	●	●	●	●	●	●	●	●	Sirup gula
●	●	—	●	●	●	●	●	○	●	●	Mustard
○	●	—	●	●	●	●	●	—	●	●	Minyak zaitun
●	●	●	●	●	●	●	●	●	●	●	Jus jeruk
○	●	—	●	●	●	●	●	—	●	●	Minyak kelapa sawit
●	●	●	●	●	●	●	●	●	●	●	Paprika
—	●	—	●	●	●	●	●	—	●	●	Minyak kedelai
●	●	●	●	●	●	●	●	●	●	●	Lada
●	●	●	●	●	●	●	●	●	●	●	Jus nanas
○	●	—	●	●	●	●	●	—	●	●	Lemak babi
●	●	—	●	●	●	●	●	●	●	●	Kentang
○	●	—	●	●	●	●	●	●	●	●	Salad kentang
●	●	—	●	●	●	●	●	●	●	●	Beras
○	●	○	●	●	●	●	●	●	○	●	Rum*
●	●	●	●	●	●	●	●	●	●	●	Garam, kering
○	●	—	●	●	●	●	●	●	●	●	Garam herring
●	●	●	●	●	●	●	●	●	●	●	Air garam
○	●	—	●	●	●	●	●	●	○	●	Sosis
●	●	—	●	●	●	●	●	●	●	●	Semolina
●	●	●	●	●	●	●	●	●	●	●	Air soda
●	●	●	●	●	●	●	●	●	●	●	Minuman ringan
○	●	—	●	●	●	●	●	—	●	●	Minyak kedelai
●	●	●	●	●	●	●	●	●	●	●	Larutan kanji, pati (cair)
●	●	●	●	●	●	●	●	●	●	●	Sirup pati
●	●	●	●	●	●	●	●	●	●	●	Gula, kering
●	●	●	●	●	●	●	●	●	●	●	Gula, larutan
●	●	●	●	●	●	●	●	●	●	●	Gula sirup bit
○	●	—	●	●	●	●	●	—	●	●	Minyak bunga matahari
											* Ketahanan belt tergantung pada bahan kimia

<sup>1</sup>) NBR = Karet akrilonitril-butadiena  
<sup>2</sup>) EPDM = Etilena-propilena terpolymer



## Siegling – total belting solutions



Karena produk kami digunakan dalam berbagai aplikasi dan banyak faktor individu yang terlibat, instruksi pengoperasian kami, rincian dan informasi mengenai kesesuaian dan penggunaan produk hanyalah berupa pedoman umum dan tidak membebaskan pihak pemesan untuk melakukan pemeriksaan dan tes sendiri.

Jika kami telah memberikan bantuan teknis pada aplikasi, pihak pemesan harus menjaga agar mesin tetap berfungsi dengan baik.

### Layanan Forbo Siegling – kapan saja, di mana saja

Pada group Forbo Siegling mempekerjakan lebih dari 2.000 orang diseluruh dunia. Fasilitas produksi kami berlokasi di delapan negara, anda dapat menemukan perusahaan dan agen dengan gudang dan workshops di lebih dari 80 negara. Pusat layanan service Forbo Siegling memberikan dukungan yang berkualitas yang terletak di lebih dari 300 tempat di seluruh dunia.